

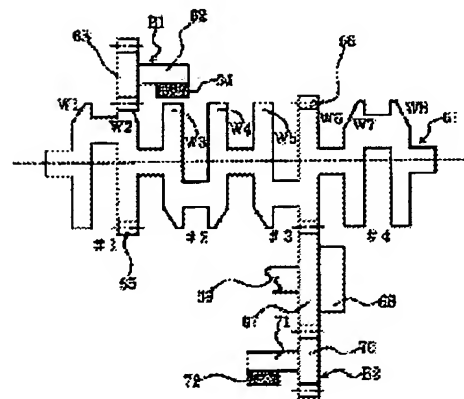
BIAXIAL SECONDARY BALANCER OF ENGINE

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Abstract of JP2000310286

PROBLEM TO BE SOLVED: To simplify structure of a balancer itself and a peripheral driving system by simplifying driving force output structure from a crankshaft to the balancer. **SOLUTION:** This biaxial secondary balancer is furnished with a crankshaft 61, having two webs W1-W8 for each of cylinders #1-#4 of a four-cylinder or more multiple cylinder engine, a speed change spindle 69 for receiving driving force from this crankshaft 61, a speed reduction small gear 66 for driving force transmission formed on one web of the crankshaft 61 and a speed reduction large gear 67 formed on the speed change spindle 69 to be engaged with this speed reduction small gear, and it is furnished with two of first and second secondary balancers B1, B2 having balancer shafts 62, 71 in parallel with the crankshaft 61. In this case, the speed reduction small gear 66 is provided on a web W6 of the cylinder #3 of the two inside of the four cylinders #1-#4, the first balancer B1 is directly driven from the crankshafts 61, 65, and the second balancer is driven by the speed reduction large gear 67.



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